uppermost layer and to said bottom layer by a hot melt adhesive to define a stack of three layers,

the uppermost layer in said stack of layers including a top surface on which the exercising and sports conditioning is performed,

absorbing material having a quick recovery memory so that it will absorb the impact of a jump to minimize the likelihood of injury and return to its pre-impact configuration during rapid repetitions while returning to its unloaded state during rapid and repeated high impact exercises,

the bottom layer having a bottom surface which resists sliding on the surface which supports said mat so that said mat will not slide from under an exerciser who will otherwise fall and risk serious injury, and

a plurality of indications for foot placement before and after jumping routines in exercising and sport conditioning.

46. The mat described in claim 45 wherein

said mat has the dimensions of about 42 inches wide by about 42 inches long.

47. The mat described in claim 46 wherein

said mat is about one half inch thick.

48. The mat described in claim 47 wherein

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said mat weighs in the range of about 4.5 to about 5.5 pounds.

49. The mat described in claim 45 wherein

said plurality of indicia on said top surface define inner and outer rectangular polygons, went Abstract

the distance across said outer rectangular polygon in at conleast one direction is about eighteen inches, and

the distance between said inner and outer rectangular polygons is about the width of the foot of an exerciser.

50. The mat described in claim 45 wherein said top layer is comprised of polyvinyl chloride.

51. The mat described in claim 45 wherein

said intermediate layer is comprised of closed with elastomeric cell foam.

52. The mat described in claim 51 wherein

said intermediate layer is comprised of nitrile butadene rubber/vinyl-nitrile elastomeric foam.

53. The mat described in claim 45 wherein

said bottom layer is comprised of plasticized vinyl coated scrim.

54. First and second exercising and sports conditioning mats which assist in instructing and demonstrating the correct performance of exercise routines to contribute toward maximizing their benefit while minimizing the likelihood of injury because of the impact of landing after jumping wherein:

each of said mats comprises a plurality of layers,

means for connecting said layers to each other to define a stack of layers, fight

the uppermost layer in said stack of layers including a top surface on which the exercising and sports conditioning is performed, how

an intermediate layer comprised of material that will absorb the impact of a jump and thereby minimize the likelihood of injury, parish.

both of said mats include a front end and a rear

a rectangular polygon on each of said mats,

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first and second identical pluralities of mutually distinctive components, one of said pluralities being on said top surface each of said mats for defining locations on each mat for foot placement before and after jumping routines in exercising ul 2, line 5-10 and sport conditioning,

some of said components in one of said pluralities being at said rear end of one of said mats, and said identical components being at said front end of said other mat, and components

at said front end of said one mat, and said identical components are at said rear end of said other mat,

mat are facing each other and the rear ends of each of said mats are facing away from each other so that exercisers can face each other and match their foot movements while exercising.

55. An exercising and sports conditioning mat which assists in correct performance of exercise routines to contribute toward maximizing their benefit while minimizing their likelihood of injury because of the impact of landing after jumping wherein:

said mat is between about 1/30 and one half inch thick, weighs about 4.5 to 5.5 pounds and is about 42 inches wide by about 42 inches long,

said mat being comprised of three layers that are connected to each other to define a stack of layers,

the uppermost layer in said stack of layers including a top surface on which the exercising and sports conditioning is performed, said top surface being comprised of a material that facilitates exercises including the actions of pivoting, jumping, sliding and running,

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the intermediate layer being comprised of a shock absorbing material having a quick recovery memory so that it will absorb the impact of a jump to minimize the likelihood of injury and return to its pre-impact configuration during rapid  $\chi$  repetitions while returning to its unloaded state during rapid and repeated high impact exercises,

said exercising and sports conditioning being performed  $\ensuremath{\mathcal{N}}$  on said top surface, and

indicia on said top surface for defining a plurality of locations for foot placement before and after jumping routines in exercising and sport conditioning, and

a bottom layer, said bottom layer having a bottom have, surface that resists sliding on the surface which supports said have mat so that said mat will not slide from under an exerciser who will otherwise fall and risk serious injury, said bottom layer being substantially the same size as said intermediate layer and being connected to said intermediate layer by a hot melt adhesive.

56. The mat described in claim 55 wherein:

said top layer is comprised of polyvinyl chloride.

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